

IPC

40

IIGE

36

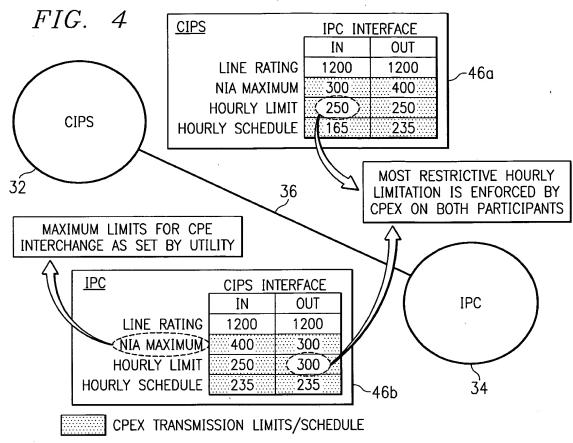
SIPC

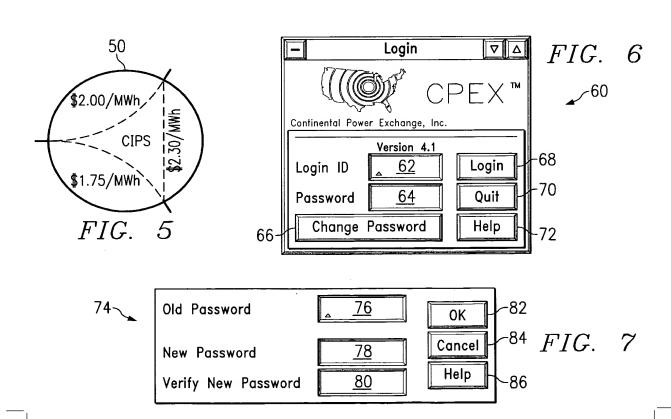
FIG. 3

MPSI

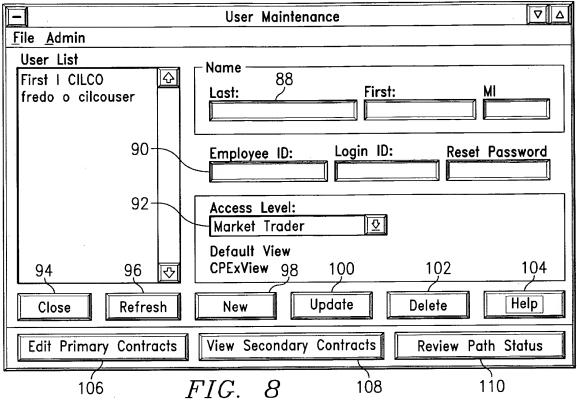
38-











112

_ Contacts
<u>F</u> ile <u>A</u> dmin
Participant: Oklahoma Public Power
Control Center Supervisor
name: John Schmaltz
phone: 217-424-0023
fax: 217-424-0022
CPEx System Administrator
name: Deborah Billson
phone: 217-425-8899
fax: 217-425-1212
- Accounting
name: Dennis Swell
phone: 217-424-3131
fax: 217-424-3232
Refresh Update Close

FIG. 9



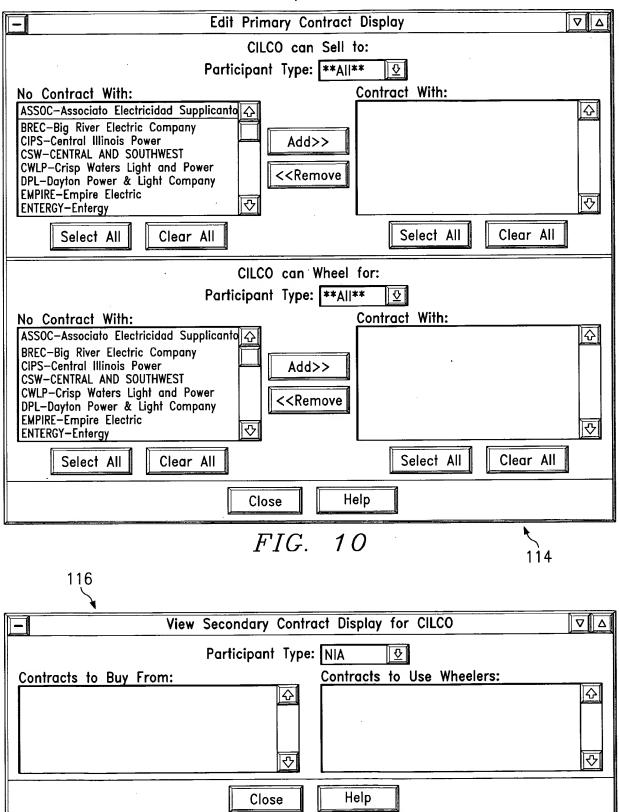


FIG. 11



. 5/29

_[	Review Contract F	Path Status Displ	ay for CILCO	▽	Δ
_Li	st Filters Update	List Reset Fi	ters		
Se	ller: **A  ** 🔯 Link: **A  **	<u></u> Buyer: ★★AII	** 🖸 Path S	itatus: **A  ** 💆	
	Path (s-w-w-w-b)	Status	Start Date	End Date	
1	ASSOC>OPPD>MDW>IIGE>IP>CWLP>CILCO			1	쇼
2	CILCO>CWLP>IP>IIGE>MDW>OPPD>ASSOC				
3	CILCO>IP>IIGE>MDW>ISTATE>SJLP>LES				-4
4	LES>SJLP>ISTATE>MDW>IIGE>IP>CILCO				
5	CILCO>IP>IIGE>MDW>KCPL>ASSOC>EMPIRE				
6	EMPIRE>ASSOC>KCPL>MDW>IIGE>IP>CILCO				1
7	CILCO>IP>IIGE>MDW>KCPL>EMPIRE>SWEPCO				
8	SWEPCO>EMPIRE>KCPL>MDW>IIGE>IP>CILCO		,		
9	ASSOC>NPPD>MDW>ISTATE>IIGE>IP>CILCO				
10	CILCO>IP>IIGE>ISTATE>MDW>NPPD>ASSOC				
11	CILCO>CIPS>IP>IIGE>ISTATE>KCPL>OPPD				
12	OPPD>KCPL>ISTATE>IIGE>IP>CIPS>CILCO				
13	BREC>SIPCO>CIPS>CWLP>IP>CILCO				
14	CILCO>IP>CWLP>CIPS>SIPCO>BREC				$\nabla$
	<b>♦</b>		10.10	<₽	
Po	ıth Status:Valid <u>∑</u> Startir	ng Date: 5/4/95	<b>⊜</b> Time	3: 10:41 am 🕽 👄	]
	120 Endir	ng Date: 5/4/95		e: 10:41 am 🕞	]
			Update F	Path 122	
	Clos	se Help			
	$\overline{F}$	IG. 12		<u> </u>	

118



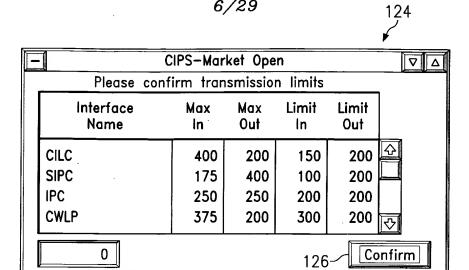
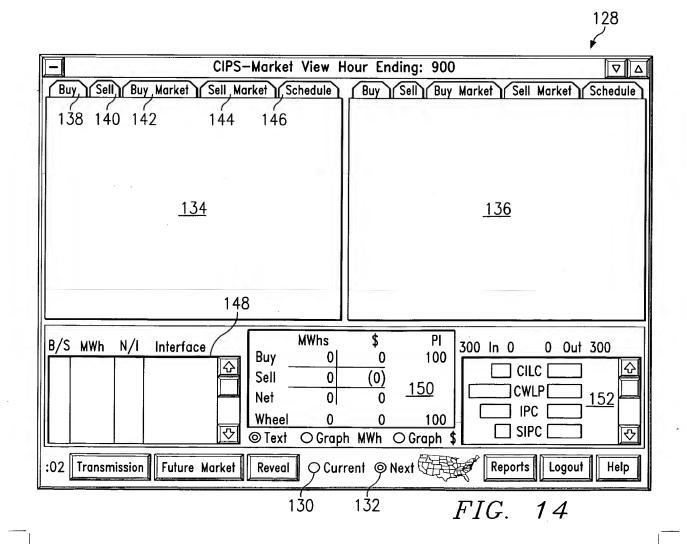
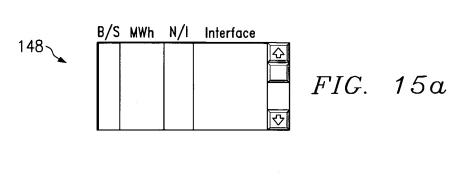


FIG. 13







	MWhs	\$	PI
Buy	0	0	100
Buy _ Sell	0	(0)	
Net	ol	0	
Wheel	0	0	100
@ Tave	OCeanh	MAL	O Cranh d

154 O Graph MWh O Graph \$

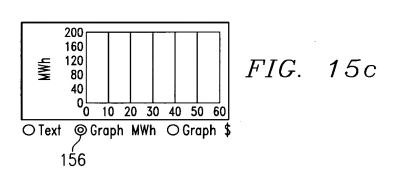
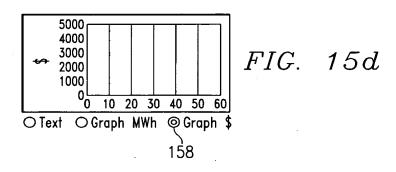
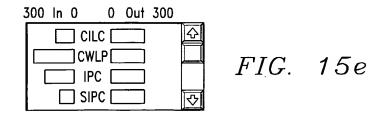


FIG. 15b







140	138					
CIPS-Market View H	our Ending: 900   □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□					
Buy Sell Buy Market Sell Market Schedule	Buy Sell Buy Market Sell Market Schedule					
Offers-Not Yet Taken Withdraw	Offers-Not Yet Taken Withdraw					
MWh \$/MWh N/I #Viewers	MWh \$/MWh N/I #Viewers					
<ul> <li>♣</li> <li>♦</li> <li>♦</li> <li>♦</li> </ul>	<ul> <li>◆</li> <li>▼</li> </ul>					
Buy Sell Buy Market Sell Market Schedule Offers-Not Yet Taken  Withdraw MWh \$/MWh N/I #Viewers  Add Offers:  MWh \$/MWh N/I Usage Fee  By Sell Buy Market Sell Market Schedule Offers-Not Yet Taken  Withdraw MWh \$/MWh N/I #Viewers  Add Offers:  MWh \$/MWh N/I Usage Fee  By Delete  By Sell Buy Market Sell Market Schedule Offers-Not Yet Taken  Withdraw MWh \$/MWh N/I #Viewers  MWh \$/MWh N/I #Viewers  By Delete  By Delete  By O O O O O O O O O O O O O O O O O O O						
Send 160 Add	Send					
Buy 0  Sell 0  Net 0  Wheel 0	0 100   CILC   CWLP   IPC   IPC   CILC   CWLP   CWL					
:02 Transmission Future Market Reveal O Curr	rent  Next Reports Logout Help					

FIG. 16



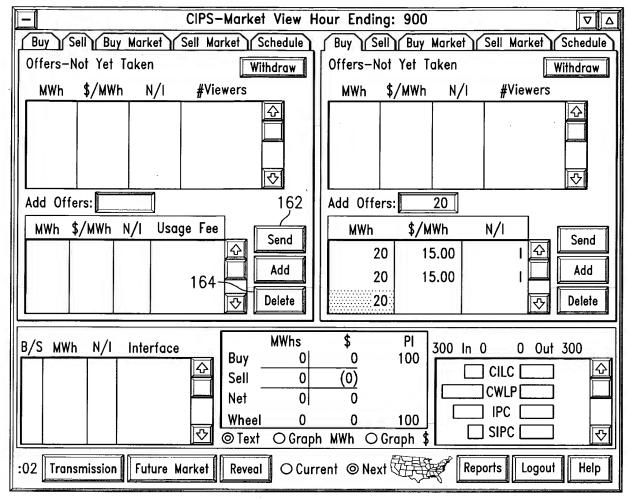
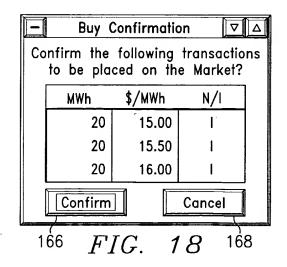


FIG. 17





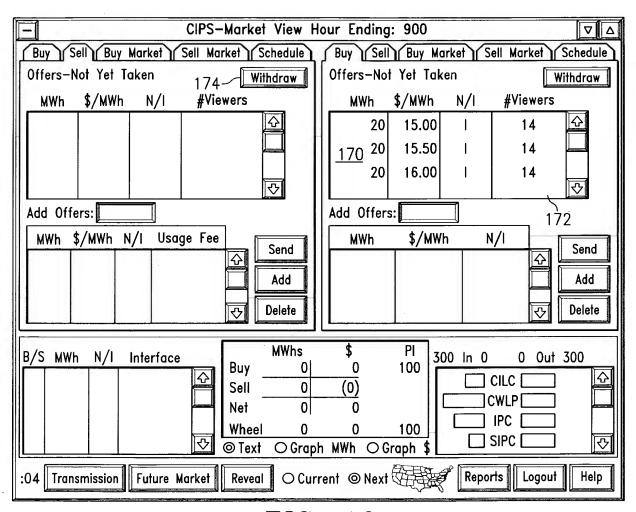


FIG. 19



1-1	CIPS-Market View H	our Ending: 900   □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
Buy Sell Buy Market	Sell Market Schedule	Buy Sell Buy Market Sell Market Schedule
	-Interruptible Sell	⊚ Interruptible ○ Non-Interruptible Buy
_MWh \$/MWh #Viewers	Pl Interface 176	MWh \$/MWh #Viewers Pl Interface
45 16.10 10	95 SIPC [쇼] 170	15 16.40 18 92 CWLP
16.05 12	86 IPC	30 16.55 12 88 SIPC
110 15.88 7	82 IPC	33 16.68 13 84 SIPC
35 15.76 8	93 IPC	125 16.70 8 93 CILC
12 15.72 16	78 CWLP	140 16.75 4 92 CWLP
64 15.53 11	84 CWLP	87   16.83   6   87   IPC
50 15.38 11	91   CILC	10 16.98 16 90 CILC
42 15.05 13	94 IPC 🔯 178	92 17.05 7 89 IPC <b></b>
MW Filter	/MWh Filter¬	MW Filter \$/MWh Filter
Show All	Show All Filter	Show All Show All Filter
B/S MWh N/I Interfo	Buy U	\$ PI 300 In 0 0 Out 300
	Net 0 Wheel 0	(0) 0   CWLP   IPC   I
:08 Transmission Futur		rent   Next Reports Logout Help

FIG. 20



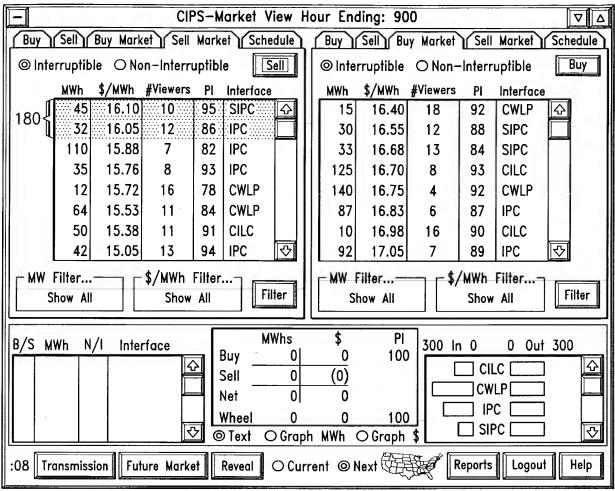


FIG. 21

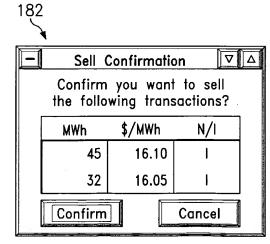
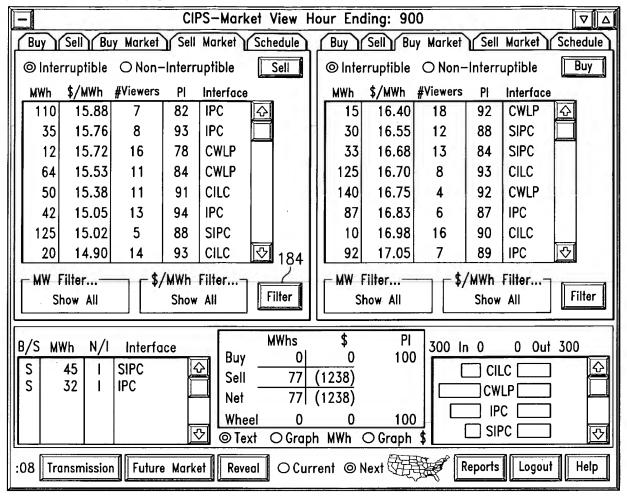
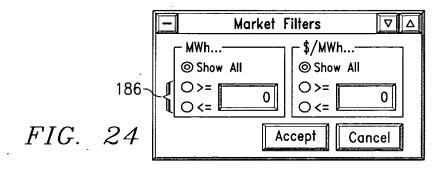


FIG. 22



FIG. 23





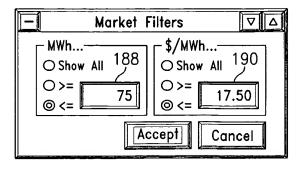


FIG. 25



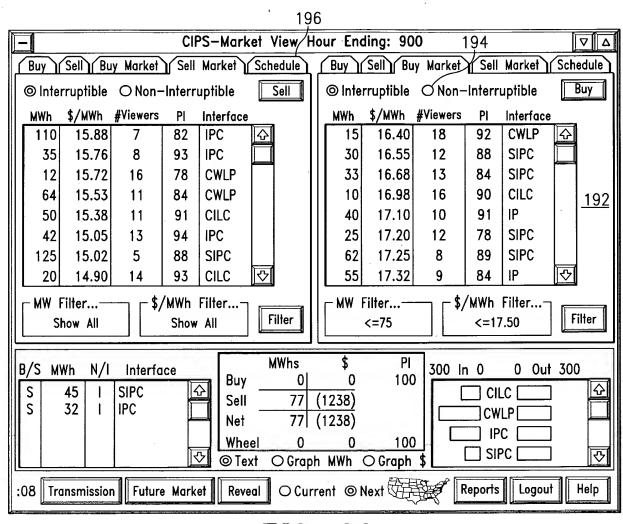
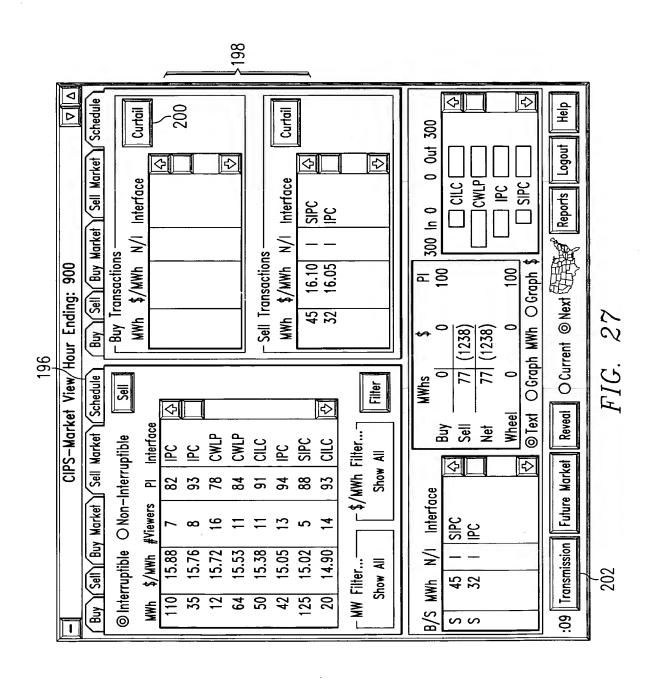


FIG. 26







	CIPS-Market Vie	w Hour End	ing: 900		VΔ
Link Transmission	<u> </u>				<u> </u>
204					
Interface	Interface	MWh	\$/MWh	Total\$	#Trans
CILC	CWLP	0	1.50	0.00	22 🔂
CILC	IPC ·	0	2.00	0.00	19 🔲
CILC	SIPC	0	2.00	0.00	20
CWLP	IPC	0	2.00	0.00	17
CWLP	SIPC	. 0	1.50	0.00	29
CWLP IPC	SIPC	0	2.50	0.00	38
L					♂
B/S MWh N/I Inter	face MWI	hs \$	PI 30	00 In 0	0 Out 300
S 45 I SIPC	Buy	0 0	100	CILC	<b>一</b>
S 32 I IPC	Sell	77 (1238)		CWLP	
		77 (1238)		IPC	
	₩heel	0 0	100	SIPC	
	♥ Text O	Graph MWh (	JGraph \$ L		
:12 Market Futu	re Market Reveal C	Current ⊚ N	lext 🖽	Reports	Logout Help

FIG. 28



	···	NOC 44	1 1 1	<i>I</i> • 11			00			n :	
		JIPS-M	arket \	/iew Ho	our End	ing: 9	00				
Link Transmissio	)n ]										
206	Max   Market Limit   Available   Transactions   Wheeling   Market Limit   Not In Out   In										
			Market		Avail					<u>`</u>	
Interfaces								_			
CILC							_		0	0	엘
CWLP							7				
IPC											
SIPC	325	325	100	250	100	205	0	45	0	0	
CWLP IPC SIPC											
											亞
Limit Ne	ighbor	N		200							
		Up	date	-208							
B/S MWh N/I Int	erface						1 21111	In 0	0 0	ut 300	
1111 1 1 1 1	;	114211	•		<u> </u>	10		☐ CI	LC 🗀		亞
S 32 I IPC		H	Net		1238)			CV	VLP		
			Wheel	- 0	0	10	)    00		PC		
Processor				⊃ Graph		○ Grap		☐ SI	PC		亞
4.0						hk	- A	Danast	10	1	
:12 Market Fi	uture Ma	rket	Reveal	O Curr	ent © l	Next W	是	Reports	Logo	our   H	lelp

FIG. 29



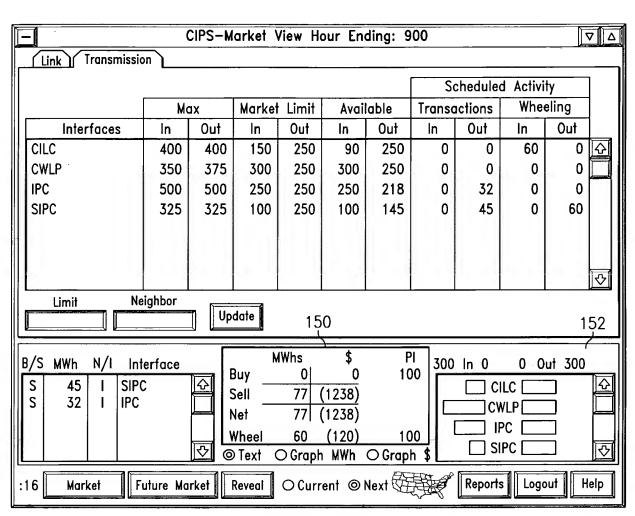
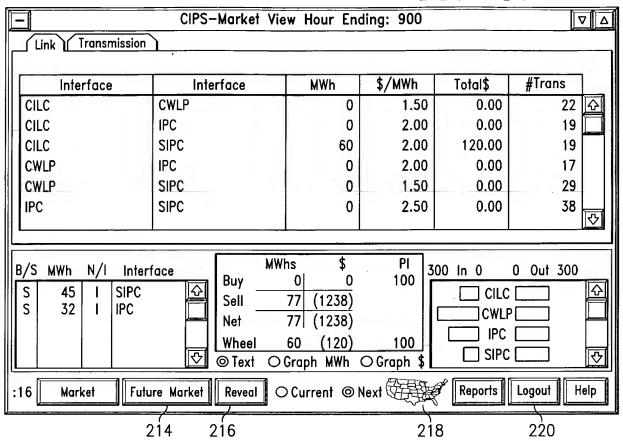


FIG. 30



FIG. 31



			-			
		CIPS-	-Sche	edu	ıle	$\nabla \Delta$
		hour tro		tio	n sched	lule is:
	MWh	\$/MWh	N/I	ln	terface	<u>210</u>
<u>_</u> ;	Sell Tr	ansaction	ıs —			,
	MWh	\$/MWh	N/I	In	terface	
	45 32	16.10 16.05	1	SI IP	PC C	212
	Transn	nission —				
	Inte	rface	MW	h	Dire	ction
	ILC WLP PC			0 0 2	Received	
111	IPC			_	Delivere	11
	Net M Delive			7	'7 C	onfirm

FIG. 32



Future Mark	ets Setup 🔻 🗸
Add Buy Offer:	Transmission Service \$//MWh:
MWh \$/MWh N/I	Interface Interface Cost
35 14.00 I <u></u>	CILC CWLP 1.50 ☆
50 13.25 I	CILC IPC 2.00
	CILC SIPC 2.00
	CWLP   IPC   2.00
	CWLP SIPC 1.50
	IPC SIPC 2.50 ☑
Add Delete	
Add Sell Offer:    MWh	Transmission Limits MWh:           Interface Name         Max Out         Max Imit In Out           CILC         400         400         150         250           CWLP         350         375         300         250           IPC         500         500         250         250           SIPC         325         325         100         250
0	<u>K</u>

FIG. 33



		CIPS-I	Reveal	$\nabla \Delta$
Buy Tra	Next hour nsactions —	trans	action schedule is:	
MWh	\$/MWh	N/I	S-W-W-W-B	
Sell Tra	nsactions —			
MWh	\$/MWh	N/I	S-W-W-W-B	
45 32	16.10 16.05	1	CIPS-SIPC CIPS-IPC-IIGE-MPSI	
Wheeling	g Transactio	ns —		
MWh	\$/MWh	S-W-	-W-W-B	
60	2.00	CILC-	CIPS-SIPC-BREC	
Net MWh	77, 0	ut	Curtail	ose

FIG. 34

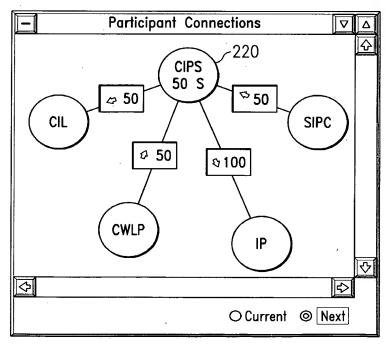
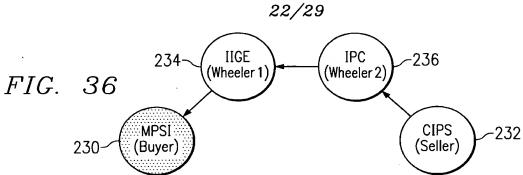


FIG. 35





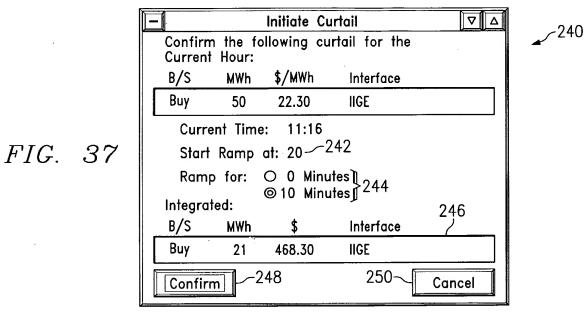
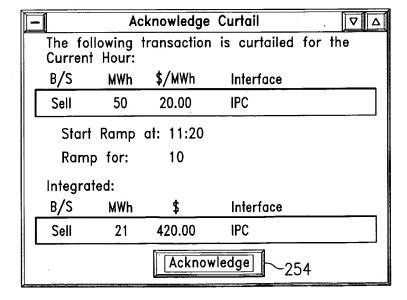


FIG. 38



<u>~252</u>



~256

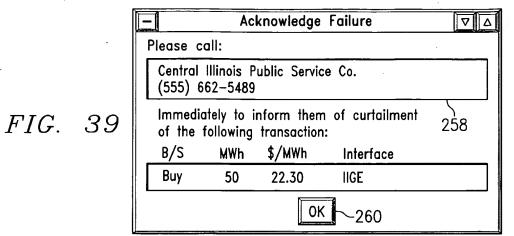
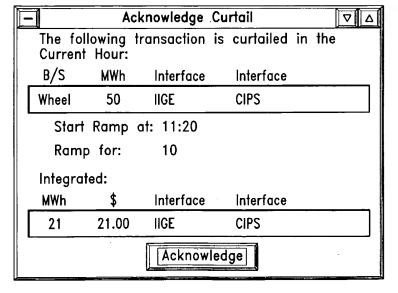
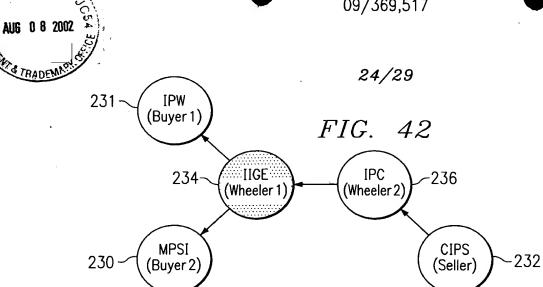


FIG. 40

-	1	Α	cknowledge	Curtail			∇ \	<u>=</u>
	The follo	owing Hour:	transaction	is curtailed	in	the		
_	B/S	MWh	Interface	Interface				
	Wheel	50	MPSI	IPC				
	Start	Ramp	at: 11:20					
	Ramp	for:	10					
	Integrate							
_	MWh	\$	Interface	Interface				
	21	27.30	MPSI	IPC				
			Acknow	ledge				

FIG. 41





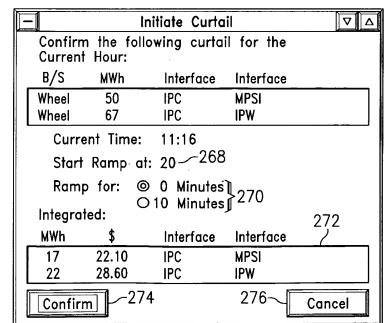
Transmission

FIG. 43

							20	chedule	d Activi	ty
	Мо	1X	Market Limit Available		Transactions		Wheeling			
Interfaces	In	Out	In	Out	ln	Out	In	Out	In	Out
MPSI	400	350	200	350	200	200	0	100	0	50
IPC	500	350	150	350	33	350	0	0	117	0
IPW	700	700	200	250	160	183	40	0	<i>_</i> ₹0	67
									264	
Limit Ne	ighbor			0			·			

266-

FIG. 44





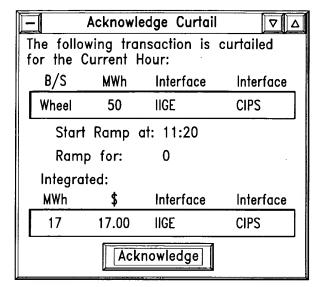


FIG. 45

	Acknowle	edge Curtail	∇ ∆					
The follo	wing trai Current H	nsaction is lour:	curtailed					
B/S	MWh	Interface	Interface					
Wheel	67	IIGE	CIPS					
Start Ramp at: 11:20								
Ramp for: 0								
Integro	ıted:							
MWh	\$	Interface	Interface					
22	22.00	IIGE	CIPS					
	Ack	nowledge	•					

FIG. 46

		Acknowle	dge Curtai							
T fo	he follo or the	owing trar Current H	nsaction is lour:	curtailed						
╽_	B/S	<u>M</u> Wh	\$/MWh	Interface						
	Sell	50	20.00	IPC						
	Start Ramp at: 11:20									
	Ramp for: 0									
	Integrated:									
_	B/S	MWh	\$	Interface						
	Sell	17	340.00	IPC						
		Ack	nowledge							

FIG. 47

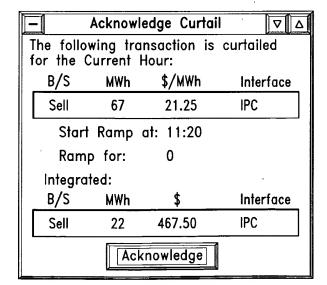
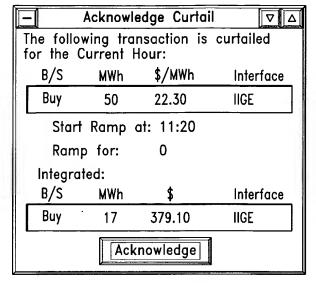


FIG. 48





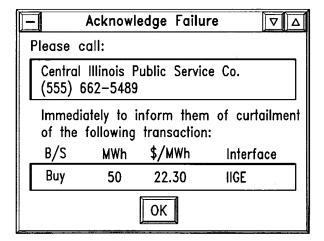
	Acknowl	edge Curta	I ∇ Δ
The fol for the	lowing tra Current	insaction is Hour:	curtailed
B/S	MWh	\$/MWh	Interface
Buy	67	23.55	IIGE
Sto	ırt Ramp	at: 11:20	
Rai	mp for:	0	
Integ	rated:		
B/S	MWh	\$	Interface
Buy	22	518.10	IIGE
	Acl	knowledge	<u> </u>

FIG. 49

FIG. 50

Acknowledge Failure

 $\nabla \Delta$ 



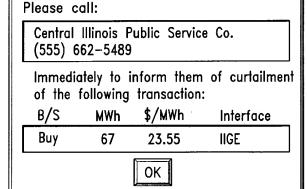
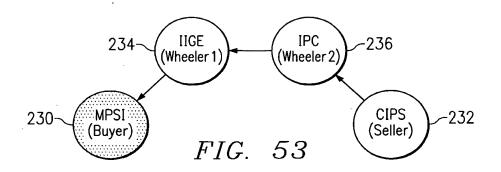
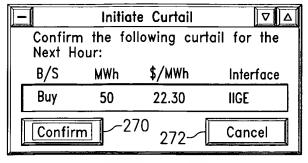


FIG. 51

FIG. 52







F	7			5	1
I	1	G	•	$\circ$	4

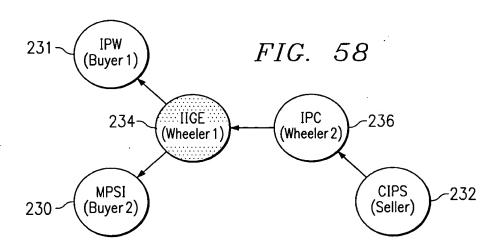
	Acknowle	edge Curta	II ∇ Δ
The follo		nsaction is	curtailed
B/S	MWh	\$/MWh	Interface
Sell	50	20.00	IPC
	Ack	nowledge	
	FIC	G. 55	274

回	Acknowle	edge Curtail	VΔ
The follow Next Hou		nsaction is o	curtailed
B/S	MWh	Interface	Interface
Wheel	50	MPSI	IPC
	Ack	nowledge	

FIG. 56

E	1	Acknowle	edge Curtail	VΔ	1
	he follov ext Hou		nsaction is o	curtailed	
_	B/S	MWh	Interface	Interface	
	Wheel	50	IIGE	CIPS	
		Ack	nowledge		

FIG. 57





Transmission

די ד	$\sim$	_	a
FI	<i>G</i> .	၁	$\mathcal{J}$

			<del></del>	1					d Activi	
	Mo	1X	Market	Limit	Avail	able	Transo	ctions	Whee	eling
Interfaces	ln	Out	ln_	Out	ln	Out	ln	Out	In	Out
MPSI	400	350	200	350	200	200	0	100	0	50
IPC	500	350	150	350	33	350	0	0	117	0
IPW	700	700	200	250	160	183	40	0	<i>∱</i> 0	67
									280	
Limit N	eighbor								LL	

